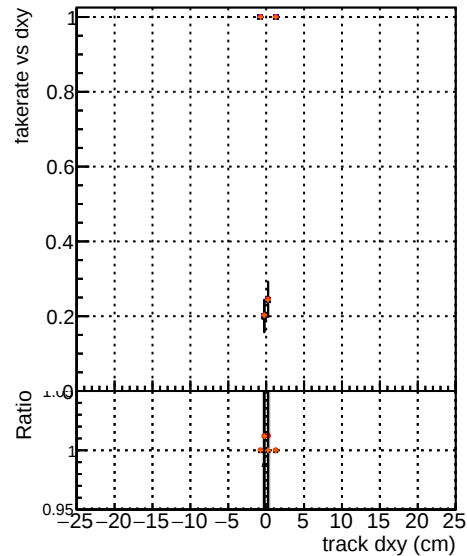


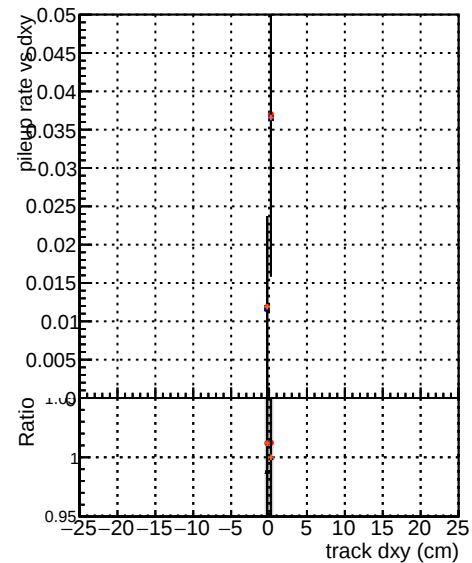
### Fake rate vs dxy



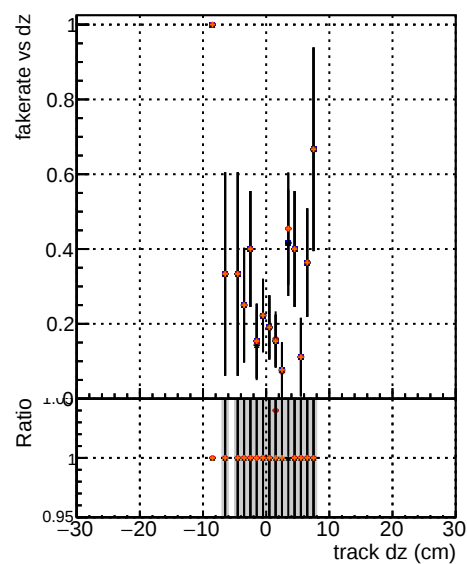
### Duplicates Rate vs Dxy



### Pileup rate vs dxy



### Fake rate vs d

 $\text{FWD} = \text{PU}$ 